

Antibody sequences

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Updated date: Feb 25, 2021

 An abbreviated version of this protocol was published in Science in Jun 2020

A noncompeting pair of human neutralizing antibodies block COVID-19 virus binding to its receptor ACE2

DOI: 10.1126/science.abc2241

Detailed protocol

The amino acid sequences in the variable regions of B38 and H4 are listed below.

B38-VH:

EVQLVESGGGLVQPGGSLRLSCAASGFISSNYMSWVRQAPGKGLEWVSVIYSGGSTYYADSVKGRFTISRHNKNTLYLQMNSLRAEDTAVYYCAREAYGMD

B38-VL:

DIVMTQSPSFLSASVGDRTITCRASQGISSYLAWYQQKPGKAPKLLIYAASLTQSGVPSRFSGSGSGTEFTLTISLQPEDFATYYCQQLNSYPYTFGQGTKLEI

H4-VH:

QVQLVQSGAEVKKPGASVKVCKASGYTFTGYMHWRQAPGQGLEWMGRINPNSGGTNYAQKFQGRVTMTRDTSISTAYMELSRLLSDDTAVYYCARVPYC

H4-VL:

DIQMTQSPSLPVTGPGEFASISCRSSQSLDSDGNTYLDWYLQKPGQSPQLLIYTLNLSYRASGVPDRFSGSGSGTDFTLKISRVEAEDVGVYYCMQRIEFPLTFG

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Wu, Y. , Gao, F. and Gao, G. F.(2021). Antibody sequences. Bio-protocol Preprint. bio-protocol.org/prep880.
2. Wu, Y., Wang, F., Shen, C., Peng, W., Li, D., Zhao, C., Li, Z., Li, S., Bi, Y., Yang, Y., Gong, Y., Xiao, H., Fan, Z., Tan, S., Wu, G., Tan, W., Lu, X., Fan, C., Wang, Q., Liu, Y., Zhang, C., Qi, J., Gao, G. F., Gao, F. and Liu, L.(2020). A noncompeting pair of human neutralizing antibodies block COVID-19 virus binding to its receptor ACE2 . Science 368(6496). DOI: [10.1126/science.abc2241](https://doi.org/10.1126/science.abc2241)

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